

## Product datasheet for **SC108180**

### CYLD (NM\_015247) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CYLD (NM_015247) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYLD
Synonyms:	BRSS; CDMT; CYLD1; CYLDI; EAC; FTDALS8; MFT; MFT1; SBS; TEM; USPL2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108180 sequence for NM_015247 edited (data generated by NextGen Sequencing)

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ATGAGTTCAGGCTTATGGAGCCAAGAAAAAGTCACTTCACCCCTACTGGGAAGAGCGGATT
TTTTACTTGCTTCTTCAAGAATGCAGCGTTACAGACAAAACAAACACAAAAGCTCCTTAAA
GTACCGAAGGGAAGTATAGGACAGTATATTCAAGATCGTTCTGTGGGGCATTCAAGGATT
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CTCGCTGGACTGGAAGTGAAGATGAGTGTGCAGGCTGTACGGATGGAACCTTCAGAGGC  
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 GAAGACCTGCATTCTTGGACTCCAGGAGAATCCAAGGCTGTGCACGAAGACTGCTTTGT  
 GATGCATATATGTGCATGTACCAGAGTCCAACAATGAGTTTGTACAAATAA

Clone variation with respect to NM\_015247.2

913 g=>n;914 c=>n;915 t=>n;916 t=>n;917 t=>n;918 a=>n;919 t=>n;920 c=>n;921 a=>n

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015247 unedited

CTGGATTTGTAACGACTTATATAGGCGGCACAGCAATTCGCACGAGGTTGGCTGCGCGG  
 GGGCCGCGCGTCGGAGTTTCCCCCTTTCTAGGGTGAGGATGGTTCTACACAGCCACCCGG  
 AGTTCCTTAGTTGAAAGGTGCGCCCTGCTGTGACAGCATGGACACCACGTTGCTGAAAAC  
 ATGCTTTGGGACTGCCACTGAATTTATCTTTTGGGTTTTATGACAAAAGTTATTAGTAGT  
 TTCCCTTTTTGAATTAGTATTTTGAAGTTAATATCACAATGAGTTCAGGCTTATGGAGC  
 CAAGAAAAGTCACTTACCCTACTGGGAAGAGCGGATTTTTTACTTGCTTCTTCAAGAA  
 TGCAGCGTTACAGACAAACAAACAAAAAGCTCCTTAAAGTACCGAAGGGGAAGTATAGGA  
 CAGTATATTCAAGATCGTTCTGTGGGCATTCAAGGATTCCTTCTGCAAAAAGGCAAGAAA  
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 GAGAGGTTTCAGCCTGTTTANAACAGANACAGACTAAGTAAAGGCTCCAATAGACGTG  
 GGCTGTCTGTGAAAGTACAGCTGAGATCTGGNGAAGAAAAATTTCTGGAGTTGTACGC  
 TTCAGAAGACCCCTGGTAGCAGAGAGGACAGTCNCTCGNAATATTTCTTGGNAGTGAATTG  
 CTGGAAGAANGTCGTGGTCAAGGTTTCACTGACGGGGTGTACCAAGGNAACAGCTTTTC  
 AGTGTGATGAAAATTGTGCGTGTGTTGTTGCATTGGACAAGCTAGACTCTAANAAGAGATG  
 AACTGCATTGGAAGTATTACCCAGTCC

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_015247 unedited GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCTTGGTCCATAAAGAA GAACATTTATTTACATTCTCAATGGACTAAAAGAGGCTTTAAACTTCCACAATTAATTA GTATGCTTCCAAAAATATCATATGATCAATGCACTTAACTTAAAGCTTCAGGTATTAATA ACTTCATTTAGACTTCTTAAAAAACCAACAACATACTTTCTAGAGTGCAAAATGCTT CTTATTAATACTTCAGGGACACAAAAGCAATTTGTTTTTAAACAGAGGCATCCTTTTCT GAAGGATCATCACCACAAAGACATCCATTGCCGCAATGGACGTGAACAGAACTGCCAGC TCGAATAAGATGCAACGTTAGGACTCTGCCTTCAGTTTCTTTGCCTTTCCCGATGACCCC AGTTATTTGTACAACTCATTGTTGGACTCTGGTACATGCACATATATGCATCACAAAGC AGTCTTCGTGCACAGCCTTGATTCTCCTGGAGTCCAAGGAATGCAGGTCTCCAGAGAC ATCTTCAAGTACTCTCTACTTCTGGGCATGGGGTACTTGAGGAATGTTGAAGCCATTC TGACCACCATCCCGATCGGCCATGCTGTCAAAGAAGAGCCAGGCAGAATCGTCTTCCCA TACTTCACANAAGCAACATAGTGGCTTGTCTATGCAGAGAACAGCANATAACTCCATA TTCTGGCAAGGGATGCAGCCGTCTTTCAGTCCCAGTCCGGTAAGTCTTTGGGAGTGACC CTGTTTATATTTATGATTAGCCTCTTCGATGAAGGTGACTTGAGTGTGCAGTTTACAA AACTGCTTGATTTCCAGCTGAGATGCCGGATCGTCNAACATTCTCTACCTCATACATTG CAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015247
<b>Insert Size:</b>	3630 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_015247.1</a></u> , <u><a href="#">NP_056062.1</a></u>
<b>RefSeq Size:</b>	5371 bp
<b>RefSeq ORF:</b>	2871 bp
<b>Locus ID:</b>	1540
<b>UniProt ID:</b>	<u><a href="#">Q9NQZ7</a></u>
<b>Cytogenetics:</b>	16q12.1
<b>Domains:</b>	CAP_GLY, UCH
<b>Protein Families:</b>	Druggable Genome

**Protein Pathways:** RIG-I-like receptor signaling pathway

**Gene Summary:** This gene encodes a cytoplasmic protein with three cytoskeletal-associated protein-glycine-conserved (CAP-GLY) domains that functions as a deubiquitinating enzyme. Mutations in this gene have been associated with cylindromatosis, multiple familial trichoepithelioma, and Brooke-Spiegler syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).